

CB

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/806,568

DATE: 08/30/2001

TIME: 10:02:07

Input Set : A:\ES.txt

Output Set: N:\CRF3\08302001\I806568.raw

ENTERED

3 <110> APPLICANT: MORIKAWA, Wataru et al.
 5 <120> TITLE OF INVENTION: ENZYME PRODUCING PLASMA PROTEIN FRAGMENT HAVING INHIBITORY
 ACTIVITY TO
 6 METASTASIS AND GROWTH OF CANCER AND PLASMA PROTEIN FRAGMENT PRODUCED BY
 7 FRAGMENTATION BY SAID ENZYME
 9 <130> FILE REFERENCE: 0020-4841P
 11 <140> CURRENT APPLICATION NUMBER: 09/806,568
 C--> 12 <141> CURRENT FILING DATE: 2001-04-05
 14 <160> NUMBER OF SEQ ID NOS: 2
 16 <170> SOFTWARE: PatentIn version 3.1
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 10
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
 25 Leu Val Arg Ile Pro Leu His Lys Phe Thr
 26 1 5 10
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 810
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
 34 <400> SEQUENCE: 2
 36 Met Glu His Lys Glu Val Val Leu Leu Leu Leu Phe Leu Lys Ser
 37 1 5 10 15
 40 Gly Gln Gly Glu Pro Leu Asp Asp Tyr Val Asn Thr Gln Gly Ala Ser
 41 20 25 30
 44 Leu Phe Ser Val Thr Lys Lys Gln Leu Gly Ala Gly Ser Ile Glu Glu
 45 35 40 45
 48 Cys Ala Ala Lys Cys Glu Glu Asp Glu Glu Phe Thr Cys Arg Ala Phe
 49 50 55 60
 52 Gln Tyr His Ser Lys Glu Gln Gln Cys Val Ile Met Ala Glu Asn Arg
 53 65 70 75 80
 56 Lys Ser Ser Ile Ile Ile Arg Met Arg Asp Val Val Leu Phe Glu Lys
 57 85 90 95
 60 Lys Val Tyr Leu Ser Glu Cys Lys Thr Gly Asn Gly Lys Asn Tyr Arg
 61 100 105 110
 64 Gly Thr Met Ser Lys Thr Lys Asn Gly Ile Thr Cys Gln Lys Trp Ser
 65 115 120 125
 68 Ser Thr Ser Pro His Arg Pro Arg Phe Ser Pro Ala Thr His Pro Ser
 69 130 135 140
 72 Glu Gly Leu Glu Glu Asn Tyr Cys Arg Asn Pro Asp Asn Asp Pro Gln
 73 145 150 155 160
 76 Gly Pro Trp Cys Tyr Thr Thr Asp Pro Glu Lys Arg Tyr Asp Tyr Cys
 77 165 170 175
 80 Asp Ile Leu Glu Cys Glu Glu Glu Cys Met His Cys Ser Gly Glu Asn
 81 180 185 190
 84 Tyr Asp Gly Lys Ile Ser Lys Thr Met Ser Gly Leu Glu Cys Gln Ala
 85 195 200 205

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88 Trp Asp Ser Gln Ser Pro His Ala His Gly Tyr Ile Pro Ser Lys Phe
89      210      215      220
92 Pro Asn Lys Asn Leu Lys Lys Asn Tyr Cys Arg Asn Pro Asp Arg Glu
93 225      230      235      240
96 Leu Arg Pro Trp Cys Phe Thr Thr Asp Pro Asn Lys Arg Trp Glu Leu
97      245      250      255
100 Cys Asp Ile Pro Arg Cys Thr Thr Pro Pro Pro Ser Ser Gly Pro Thr
101      260      265      270
104 Tyr Gln Cys Leu Lys Gly Thr Gly Glu Asn Tyr Arg Gly Asn Val Ala
105      275      280      285
108 Val Thr Val Ser Gly His Thr Cys Gln His Trp Ser Ala Gln Thr Pro
109      290      295      300
112 His Thr His Asn Arg Thr Pro Glu Asn Phe Pro Cys Lys Asn Leu Asp
113 305      310      315      320
116 Glu Asn Tyr Cys Arg Asn Pro Asp Gly Lys Arg Ala Pro Trp Cys His
117      325      330      335
120 Thr Thr Asn Ser Gln Val Arg Trp Glu Tyr Cys Lys Ile Pro Ser Cys
121      340      345      350
124 Asp Ser Ser Pro Val Ser Thr Glu Gln Leu Ala Pro Thr Ala Pro Pro
125      355      360      365
128 Glu Leu Thr Pro Val Val Gln Asp Cys Tyr His Gly Asp Gly Gln Ser
129      370      375      380
132 Tyr Arg Gly Thr Ser Ser Thr Thr Thr Thr Gly Lys Lys Cys Gln Ser
133 385      390      395      400
136 Trp Ser Ser Met Thr Pro His Arg His Gln Lys Thr Pro Glu Asn Tyr
137      405      410      415
140 Pro Asn Ala Gly Leu Thr Met Asn Tyr Cys Arg Asn Pro Asp Ala Asp
141      420      425      430
144 Lys Gly Pro Trp Cys Phe Thr Thr Asp Pro Ser Val Arg Trp Glu Tyr
145      435      440      445
148 Cys Asn Leu Lys Lys Cys Ser Gly Thr Glu Ala Ser Val Val Ala Pro
149      450      455      460
152 Pro Pro Val Val Leu Leu Pro Asp Val Glu Thr Pro Ser Glu Glu Asp
153 465      470      475      480
156 Cys Met Phe Gly Asn Gly Lys Gly Tyr Arg Gly Lys Arg Ala Thr Thr
157      485      490      495
160 Val Thr Gly Thr Pro Cys Gln Asp Trp Ala Ala Gln Glu Pro His Arg
161      500      505      510
164 His Ser Ile Phe Thr Pro Glu Thr Asn Pro Arg Ala Gly Leu Glu Lys
165      515      520      525
168 Asn Tyr Cys Arg Asn Pro Asp Gly Asp Val Gly Gly Pro Trp Cys Tyr
169      530      535      540
172 Thr Thr Asn Pro Arg Lys Leu Tyr Asp Tyr Cys Asp Val Pro Gln Cys
173 545      550      555      560
176 Ala Ala Pro Ser Phe Asp Cys Gly Lys Pro Gln Val Glu Pro Lys Lys
177      565      570      575
180 Cys Pro Gly Arg Val Val Gly Gly Cys Val Ala His Pro His Ser Trp
181      580      585      590
184 Pro Trp Gln Val Ser Leu Arg Thr Arg Phe Gly Met His Phe Cys Gly

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185          595          600          605
188 Gly Thr Leu Ile Ser Pro Glu Trp Val Leu Thr Ala Ala His Cys Leu
189          610          615          620
192 Glu Lys Ser Pro Arg Pro Ser Ser Tyr Lys Val Ile Leu Gly Ala His
193 625          630          635          640
196 Gln Glu Val Asn Leu Glu Pro His Val Gln Glu Ile Glu Val Ser Arg
197          645          650          655
200 Leu Phe Leu Glu Pro Thr Arg Lys Asp Ile Ala Leu Leu Lys Leu Ser
201          660          665          670
204 Ser Pro Ala Val Ile Thr Asp Lys Val Ile Pro Ala Cys Leu Pro Ser
205          675          680          685
208 Pro Asn Tyr Val Val Ala Asp Arg Thr Glu Cys Phe Ile Thr Gly Trp
209          690          695          700
212 Gly Glu Thr Gln Gly Thr Phe Gly Ala Gly Leu Leu Lys Glu Ala Gln
213 705          710          715          720
216 Leu Pro Val Ile Glu Asn Lys Val Cys Asn Arg Tyr Glu Phe Leu Asn
217          725          730          735
220 Gly Arg Val Gln Ser Thr Glu Leu Cys Ala Gly His Leu Ala Gly Gly
221          740          745          750
224 Thr Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Phe Glu
225          755          760          765
228 Lys Asp Lys Tyr Ile Leu Gln Gly Val Thr Ser Trp Gly Leu Gly Cys
229          770          775          780
232 Ala Arg Pro Asn Lys Pro Gly Val Tyr Val Arg Val Ser Arg Phe Val
233 785          790          795          800
236 Thr Trp Ile Glu Gly Val Met Arg Asn Asn
237          805          810

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/806,568

DATE: 08/30/2001

TIME: 10:02:08

Input Set : A:\ES.txt

Output Set: N:\CRF3\08302001\I806568.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date